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| <b>Search Notes</b>   | <b>Application/Control No.</b>    | <b>Applicant(s)/Patent Under Reexamination</b> |
|   | 10542208                          | BUSCEMA, MASSIMO                               |
|  | <b>Examiner</b><br>PETER COUGHLAN | <b>Art Unit</b><br>2129                        |

### SEARCHED

| <b>Class</b> | <b>Subclass</b>  | <b>Date</b> | <b>Examiner</b> |
|--------------|--|-------------|-----------------|
| 706          | @ad<20030115 w/13, 15, 59  | 7/13/2007   | PDC             |
| 706          | @ad<20030115 w12, 13, 14, 19, 17/                                    | 3/20/2008   | PDC             |
| 706          | @pd<20030115 and 13, 20, 13, 15                                      | 12/23/2008  | PDC             |
| 706          | @pd<20030115 w/genetic algorithm & neural network and 15, 20, 19, 13 | 6/15/2009   | PDC             |

### SEARCH NOTES

| <b>Search Notes</b>   | <b>Date</b> | <b>Examiner</b> |
|---|-------------|-----------------|
| EAST--@d<20030115 and threshold, score, rating, random, testing, repeat, iteration, converge, node, recombination, mutation, parents, genetic algorithm, neural networks, preprocessing, weights, training, optimizing w/database, set, sub-set, fitness, children, crossover, sliding window, cpu, memory, data mining, sound, vocal, electromagnetic, image, pixel, voxel,a | 7/13/2007   | PDC             |
| IEEE-- <2003fitness, sets, subsets, optimizing, training, weights, preprocessing, networks, genetic algorithms, neural networks, pixel, voxel, image, electromagnetic, vocal, sound, data, mining, memory, cpu, sliding window, crossover, parents, mutation, recombination, node, converge, iteration, repeat, testing, random, rating, scoring, threshold                   | 7/13/2007   | PDC             |
| Inventor--Massimo Buscema   | 7/13/2007   | PDC             |
| EAST--@ad<20030115 and prediction algorithm, set w/distributions, genetic algorithm, evolutionary algorithm, vulnerability criterion, recombination criterion, final opportunity criterion, crossover, logic crossover, genetic operators, local optimization, inversion, swap, block swap, neighbourhood, neighborhood, altruism, shuffle, slip, separation, annealing       | 3/20/2008   | PDC             |
| East -- @pd<20030115 and "genetic algorithm", "neural network", adapt, adjust, correct, customize, reform, remodel, reorganize, reshape, revise, rework, transfigure, transform, transmogrify , database, data base, random, test, train  | 12/23/2008  | PDC             |
| East -- defining w/plurality or distribution, training, testing, medium, computer, predictive algorithm, genetic algorithm, enhance, modify, neural network, fitness score, threshold, minimum value, random, pseudorandom  | 6/15/2009   | PDC             |

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## INTERFERENCE SEARCH

| Class | Subclass | Date | Examiner |
|-------|----------|------|----------|
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